



# ELECTRONIC INFORMATION DISCLOSURE STATEMENT

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Title of  
Invention

Title IN SITU THERMAL PROCESSING OF A  
HYDROCARBON CONTAINING FORMATION TO  
PRODUCE A MIXTURE CONTAINING OLEFINS,  
OXYGENATED HYDROCARBONS, AND/OR AROMATIC  
HYDROCARBONS

Application Number: 09/841296



Confirmation Number: 3881

First Named Applicant: Scott Wellington

Attorney Docket Number: 5659-03600

Art Unit: 1764

Examiner: W. D. Griffin

Search string: ( 3026940 or 3947683 or 2857002 or 3165154  
or 4458757 or 4931171 or 4737267 or 4384948  
or 3593790 or 3497000 or 3244231 or 3223166  
or 3947656 ).pn.

## US Patent Documents

Note: Applicant is not required to submit a paper copy of cited US Patent Documents

init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass
WG	1	3026940	1962-03-27	Spitz			
WG	2	3947683	1976-03-30	Schultz et al.			
WG	3	2857002	1958-10-21	Pevere et al.			
WG	4	3165154	1965-01-12	Santourian			
WG	5	4458757	1984-07-10	Bock et al.			
WG	6	4931171	1990-06-05	Piotter			
WG	7	4737267	1988-04-12	Pao et al.			
WG	8	4384948	1983-05-24	Barger			
WG	9	3593790	1971-07-20	Herce			
WG	10	3497000	1970-02-24	Hujak et al.			
WG	11	3244231	1966-04-05	Grekel et al.			
WG	12	3223166	1965-12-14	Hunt et al			

WG	13	3947656	1976-03-30	Lodi
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Signature

Examiner Name	Date
Walter D. Druff	5-19-2004

Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DKT. NO. 5659-03600  APPLICANT: Wellington et al.  FILING DATE: April 24, 2001	SERIAL NO. 09/841,296  Art Unit: 1764
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**FOREIGN PATENT DOCUMENTS**

EXAM. INITIALS	REF. DES.	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION RES NO.
WG	T01	1836876	12/30/1994	SU			

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**

WG	T02	Burnham, Alan, K. "Oil Shale Retorting Dependence of timing and composition on temperature and heating rate", January 27, 1995, (23 pages).
WG	T03	Burnham et al. "A Possible Mechanism of Alkene/Alkane Production in Oil Shale Retorting, (7 pages).
WG	T04	Campbell, et al., "Kinetics of oil generation from Colorado Oil Shale" IPC Business Press, Fuel, 1978, (3 pages).
WG	T05	Cummins et al. "Thermal Degradation of Green River Kerogen at 150° to 350 °C", Report of Investigations 7620, U.S. Government Printing Office, 1972, (pages 1-15).
WG	T06	Cook, et al. "The Composition of Green River Shale Oils", United Nations Symposium on the Development and Utilization of Oil Shale Resources, Tallinn, 1968, (pages 1-23).
WG	T07	Hill et al., "The Characteristics of a Low Temperature in situ Shale Oil" American Institute of Mining, Metallurgical & Petroleum Engineers, 1967 (pages 75-90)..
WG	T08	Dinneen, et al. "Developments in Technology for Green River Oil Shale" United Nations Symposium on the Development and Utilization of Oil Shale Resources, Tallinn, 1968, (pages 1-20).
WG	T09	De Rouffignac, E. "In Situ Resistive Heating of Oil Shale for Oil Production-A Summary of the Swedish Data, (4 pages).
WG	T10	Dougan, et al. "The Potential for in situ Retorting of Oil Shale in the Piceance Creek Basin of Northwestern Colorado", Quarterly of the Colorado School of Mines (pages 57-72).
WG	T11	Hill et al. "Direct Production of Low Pour Point High Gravity Shale Oil" I&EC Product Research and Development, 1967, Volume 6, (pages 52-59).
WG	T12	Yen et al., "Oil Shale" Developments in Petroleum Science, 5, Elsevier Scientific Publishing Co., 1976 (pages 187-198).
WG	T13	SSAB report, "A Brief Description of the Ljungstrom Method for Shale Oil Production," 1950, (12 pages).
WG	T14	Salomonsson G., SSAB report, "The Lungstrom In Situ-Method for Shale Oil Recovery, 1950 (28 pages)
WG	T15	"Swedish shale oil-Production method in Sweden," Organisation for European Economic Co-operation, 1952, (70 pages).
WG	T16	SSAB report, "Kvarn Torp" 1958, (36 pages).
WG	T17	SSAB report, "Kvarn Torp" 1951 (35 pages).
WG	T18	SSAB report, "Summary study of the shale oil works at Narkes Kvarntorp" (15 pages).
WG	T19	Vogel et al. "An Analog Computer for Studying Heat Transfrer during a Thermal Recovery Process," AIME Petroleum Transactions, 1955 (pages 205-212).
WG	T20	"SKIFEROLJA GENOM UPPVARMNING AV SKIFFERBERGET," Faxin Department och Namder, 1941, (3 pages)
WG	T21	"Aggregleringens orsaker och ransoneringen grunder", Av director E.F.Cederlund I Statens livesmedelskonmmission (1page).
WG	T22	Ronnby, E. "KVARNTORP-Sveriges Storsta skifferoljeindustri," 1943, (9 pages)
WG	T23	SAAB report, "The Swedish Shale Oil Industry," 1948 (8 pages).
WG	T24	Gejrot et al., "The Shale Oil Industry in Sweden," Carlo Colombo Publishers-Rome, Proceedings of the Fourth World Petroleum Congress, 1955 (8 pages)

EXAMINER: *Walt D. Duff*

DATE CONSIDERED: *5-19-2004*

EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the patent owner.

Form PTO-1449 (modified) List of Patents and Publications For Applicant's Information Disclosure Statement (Use several sheets if necessary)	ATTY. DKT. NO. 5659-03600  APPLICANT: Wellington et al.  FILING DATE: April 24, 2001	SERIAL NO. 09/841,296  Art Unit: 1764
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WG	T25	Hedback, T. J., The Swedish Shale as Raw Material for Production of Power, Oil and Gas," XIth Sectional Meeting World Power Conference, 1957 (9 pages)
WG	T26	SAAB, "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand", 1955 Vol. 1, (141 pages) English
WG	T27	SAAB, "Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand-Figures", 1955 Vol. 2, (146 pages) English.
WG	T28	"Santa Cruz, California, Field Test of the Lins Method for the Recovery of Oil from Sand-Memorandum re: tests", 1955 Vol. 3, (256 pages) English.
WG	T29	Helander, R.E., "Santa Cruz, California, Field Test of Carbon Steel Burner Casings for the Lins Method of Oil Recovery", 1959 (38 pages) English.
WG	T30	Helander et al., Santa Cruz, California, Field Test of Fluidized Bed Burners for the Lins Method of Oil Recovery" 1959, (86 pages) English.
WG	T31	SSAB report, "Bradford Residual Oil, Athabasa Ft. McMurray" 1951, (207 pages), partial translation.
WG	T32	"Lins Burner Test Results-English" 1959-1960
WG	T33	SSAB "Annual Reports, SSAB Laboratory, Address Annually Issues-Shale and Ash, Oil, Gas, Waste Water, Analytical", 1953-1954, (166 pages). Swedish
WG	T34	SSAB report, "Financial Matter, Swedish taxes, etc.," 1960-1961 (37 pages). Swedish
WG	T35	SSAB report, "Cost For Mining," 1959-1979 (13 pages). Swedish
WG	T36	SSAB report, "Cost Comparison of Mining and Processing of Shale and Dolomite Using Various Production Alternatives", 1960, (64 pages). Swedish
WG	T37	SSAB report, "Assessment of Future Mining Alternatives of Shale and Dolomite," 1962, (59 pages) Swedish.
WG	T38	SSAB report. "Kartong 2 Shale: Ljungstromsanlagningen" (104 pages) Swedish.
WG	T39	SAAB, "Photos", (18 pages).
WG	T40	SAAB report, "Swedish Geological Survey Report, Plan to Delineate Oil shale Resource in Narkes Area (near Kvarntorp)," 1941 (13 pages). Swedish.
WG	T41	SAAB report, "Recovery Efficiency," 1941, (61 pages). Swedish.
WG	T42	SAAB report, "Geologic Work Conducted to Assess Possibility of Expanding Shale Mining Area in Kvarntorp; Drilling Results, Seismic Results," 1942 (79 pages). Swedish.
WG	T43	SSAB report, "Ojematinigar vid Norrtorp," 1945 (141 pages).
WG	T44	SSAB report, "Inhopplingschema, Norrtorp II 20/3-17/8", 1945 (50 pages). Swedish.
WG	T45	SSAB report, "Secondary Recovery after LINS," 1945 (78 pages)
WG	T46	SSAB report, "Maps and Diagrams, Geology," 1947 (137 pages). Swedish.
WG	T47	SSAB report, "Styrehseprotholl," 1943 (10 pages). Swedish.
WG	T48	SSAB report, "Early Shale Retorting Trials" 1951-1952, (134 pages). Swedish.
WG	T49	SSAB report, "Analysis of Lujunstrom Oil and its Use as Liquid Fuel," Thesis by E. Pals, 1949 (83 pages). Swedish.
WG	T50	SSAB report, "Environmental Sulphur and Effect on Vegetation," 1951 (50 pages). Swedish.
WG	T51	SSAB report, "Tar Sands", Vol.135 1953 (20 pages, pages 12-15 translated). Swedish.
WG	T52	SSAB report, "Assessment of Skanes Area (Southern Sweden) Shales as Fuel Source," 1954 (54 pages). Swedish.

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